

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

REC'D 05 APR 2005

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To:

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Republic of Korea

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing
(day/month/year) 31 MARCH 2005 (31.03.2005)

Applicant's or agent's file reference
INSCON-5(FP)

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/KR2004/002641

International filing date (day/month/year)

15 OCTOBER 2004 (15.10.2004)

Priority date(day/month/year)

15 OCTOBER 2003 (15.10.2003)

International Patent Classification (IPC) or both national classification and IPC

IPC7 C09J 7/02

Applicant

SUH, KWANG SUCK et al

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.
For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR



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**WRITTEN OPINION OF THE
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International application No.

PCT/KR2004/002641

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing
☐ table(s) related to the sequence listing

b. format of material

- ☐ in written format
☐ in computer readable form

c. time of filing/furnishing

- ☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE
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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement**

1. Statement

Novelty (N)	Claims	1-20	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-20	NO
Industrial applicability (IA)	Claims	1-20	YES
	Claims		NO

2. Citations and explanations :

Reference is made to the following documents:

- D1) JP 03-039379 A
- D2) JP 2000-079662 A
- D3) JP 09-194806 A

I-Novelty:

Claims 1 and 2 of the present invention are concerned with an antistatic adhesive tape comprising substrate film, conductive layer, adhesive layer. Although references D1-D3 cited in the international search report disclose an antistatic adhesive tape, structure of antistatic adhesive tape is slightly different from that of antistatic adhesive tape described in claims 1 and 2. Accordingly, the subject matters of claims 1 and 2 seem to be novel.(PCT Article 33(2)). Dependent claims 3 and 4 on claim 1 and claims 5-17 on the method for manufacturing an antistatic adhesive tape comprising conductive layer and adhesive layer must be novel as claims 1 and 2 have novelty. In addition, claims 18-20 have novelty because they are concerned with adhesive tape manufactured according to the novel method or electronic parts protection film using the same.

II-Inventive step:

1) Concerning claims 1 to 4

D1 cited in the international search report discloses an antistatic adhesive tape comprising substrate film, conductive layer, adhesive layer. And also, antistatic layer consisting of mixture of UV crosslinking agent and conductive polymer is described in D2. Even if the claims 1 to 4 refer to specific UV crosslinking agent, selection of UV crosslinking agent is easy to the skilled person in the art. Therefore, claims 1 to 4 do not meet the criteria set out in PCT Article 33(3).

2) Concerning claims 5 to 17

Although claims 5 to 17 specify manufacturing method of an antistatic adhesive tape, method for preparation of conductive layer and antistatic layer is easily modified to the skilled person in the art from the references D1-D3. Therefore, claims 5 to 17 do not meet the criteria set out in PCT

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

V.

3) Concerning claims 18 to 20

Claims 18 to 20 refer to an adhesive tape manufactured by method in said claims 5 to 8 or electronic parts protection film using the same. However, adhesive tape or electronic parts protection film does not have technical significance because claims 5 to 8 on manufacturing method thereof do not have inventive step. Consequently, claims 18 to 20 do not meet the criteria set out in PCT Article 33(3).

Claims 1 to 20 meet the criteria set out in PCT Article 33(4), because they are directed to an industrially applicable adhesive tape and manufacturing method thereof.